

Title (en)

Hydrolastic suspension device.

Title (de)

Hydroelastische Aufhängungsvorrichtung.

Title (fr)

Dispositif hydroélastique de suspension.

Publication

**EP 0490719 B1 19941102 (FR)**

Application

**EP 91403112 A 19911119**

Priority

FR 9015437 A 19901210

Abstract (en)

[origin: EP0490719A1] The invention proposes a hydroelastic device (14), especially for the suspension of an engine in a motor vehicle, of the type comprising, arranged in the general direction (X-X) of strain of the device, a first reinforcement (18), a mass made from elastomer material (26) linked to the first reinforcement, a working chamber (30) delimited at least partially by the mass made from elastomer material and by a separation partition (32), an expansion chamber (37) delimited by the separation partition (32) and by a flexible membrane (40), and a second reinforcement (24) linked to the mass made from elastomer material, the working and expansion chambers being filled at least partially with a liquid and being linked to each other by a communication passage (38), one (30) of these two chambers being delimited at least partially with respect to the outside by an elastically deformable portion (70) to which a control member applies controlled movements in such a manner as to create within the said chamber pressure forces synchronous with the harmonics of the vibrations of one of the two said assemblies, characterised in that the control member is a piston (48 - 56) of a hydraulic actuator (44) mounted slidingly in an actuator body (46) fixed to one (24) of the reinforcements. <IMAGE>

IPC 1-7

**F16F 13/00**

IPC 8 full level

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Cited by

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